

ITEM	17
MANAGER'S REPORT NO.	46
COUNCIL MEETING	1978 06 19

Re: PICK-UP OF REFUSE FROM COMMERCIAL PROPERTIES BY MUNICIPAL FORCES
(ITEM 20, REPORT NO. 32, 1978 APRIL 24)
(ITEM 8, REPORT NO. 20, 1978 MARCH 13)
(ITEM 13, REPORT NO. 10, 1978 FEBRUARY 06)

Following is a report from the Municipal Engineer on the Municipal collection of refuse from commercial establishments.

It should be noted that the proposed charges for the rental of containers and the collection of refuse would apply to strata title developments as well as commercial customers.

RECOMMENDATION:

1. THAT the Municipal Engineer's recommendations be adopted.

* * * * *

78 06 14

TO: MUNICIPAL MANAGER
FROM: MUNICIPAL ENGINEER
SUBJECT: PICK-UP OF REFUSE FROM COMMERCIAL PROPERTIES BY MUNICIPAL FORCES.
ITEM 20, MUNICIPAL MANAGER'S REPORT NO. 32, 1978 APRIL 24.
ITEM 8, MUNICIPAL MANAGER'S REPORT NO. 20, 1978 MARCH 13.
ITEM 13, MUNICIPAL MANAGER'S REPORT NO. 10, 1978 FEBRUARY 06.

Council on 1978 May 01 lifted from the table the Municipal Manager's reports pertaining to the pick-up of refuse from commercial establishments by Municipal forces.

Arising out of Council's discussion of this subject the following motion was adopted:

"That the Corporation of the District of Burnaby pick-up commercial refuse accounts on a controlled basis to the limit of our capabilities."

The Municipal Clerk's memo dated 1978 May 04 further requested the Engineer to "initiate the necessary action to implement Council's direction with respect to the pick-up of commercial refuse accounts".

The first positive action was taken on 1978 May 15 in the form of a letter to the Burnaby School Board, a copy of which is attached to this report as Appendix I.

Since that time a detailed and up-to-date study was carried out by the Works Yard supervisory staff and tabulated results are attached to this report as Appendix II and this Appendix will be referred to later in this report.

(cont'd)

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Inasmuch as Council indicated that the Burnaby School Board should be considered the No. 1 priority commercial customer, no commercial service will be offered until the School Board's requirements have been met. 157

Further, for Council's information, we will attempt to show how the fairly complicated schedule of combined strata title and commercial service would operate and, in particular, the function of the standby vehicle. In order to do this we would refer to a graph which is attached to this report as Appendix III.

To service strata title properties on a regular basis a standby vehicle was necessary and there was some expression of opinion that this vehicle should be used to its maximum capacity; to do this, Council proposed that commercial customers should be served on a controlled basis leaving sufficient leeway to provide a standby service.

We are of the opinion that downtime on new vehicles should not be more than one day and this means that the standby vehicle could be utilized for four days per week on commercial routes. When a third vehicle is purchased, more downtime could be expected and the standby vehicle would be utilized for three days per week on commercial routes. When a fourth vehicle is purchased, the standby vehicle would be utilized on commercial pick up for two days. Finally, when six vehicles are in operation, the standby vehicle would not be utilized on a programmed pick-up route but would be purely a standby vehicle.

From the graph (Appendix III) it can be clearly seen that the utilization of the spare truck shown by the sloping hatched area would have to decrease for commercial collection as strata title units increased. This is the "cyclical" form of commercial service which was mentioned in several previous reports.

Provided that downtime is not excessive, this system would be beneficial from the Corporation's standpoint; however, we are concerned about the reaction of the commercial customer. By 1979 we should have a full complement of commercial customers; as strata title properties come "on stream" these customers must be dropped until, in the early part of 1981, we will have dropped all commercial customers, except the School Board, and we are now servicing all strata title customers. At this point a new truck is put into service and again would have to seek commercial customers. It must be emphasized at this point that there is really no alternative available, given the constraints within which we are working. The disruption in service and inconvenience to customers is the inherent result of this system.

The process repeats itself until we have six operating vehicles picking up strata title, one standby vehicle, and no commercial customers. The operation could be made less painful to the commercial customer by decreasing the truck buying period and overlapping the periods. The only other alternative is to maintain commercial service at 200 containers per week which would mean buying vehicles at shorter intervals creating even more spare capacity which compounds the original problem.

CHARGES

Summarizing the data collected by the Works Yard staff, it would seem that fair and equitable charges for our commercial service would be as follows:

(cont'd)

	<u>3 and 4 Cubic Yard Containers</u>	<u>Monthly Container Rental Charge</u>	<u>Collection and Dump Charge</u>
No Castors	Each	\$10.00	\$8.00
With Castors	Each	\$11.00	\$8.50

Note: The reason for the difference in the above charges is that containers with no castors are generally in areas where they are directly accessible and require a minimum amount of handling.

RECOMMENDATIONS

1. THAT the Burnaby School Board be designated as having No. 1 priority as a commercial customer, and,
2. THAT the Corporation pick up commercial refuse accounts on a controlled basis to the limit of our capabilities in the manner described in greater detail in this report, and,
3. THAT the following charges, which represent the updated "going rates" for rental and collection of all containers, be approved:

	<u>3 and 4 Cubic Yard Containers</u>	<u>Monthly Container Rental Charge</u>	<u>Collection and Dump Charge</u>
No Castors	Each	\$10.00	\$8.00
With Castors	Each	\$11.00	\$8.50

, and,

4. THAT the Burnaby Refuse By-law be amended to reflect the charges tabulated above.


MUNICIPAL ENGINEER

EEO/WMR/cc

Atts.

APPENDIX I

78 05 15

Burnaby School Board
5325 Kincaid Street
Burnaby, B. C.
V5G 1W2

Attention: Mr. A. I. Guttman, Secretary Treasurer.

Gentlemen:

Re: Pick-up refuse on a commercial basis from
schools in Burnaby.

Further to our several verbal discussions, your letter to Council dated 78 April 10, the Municipal Manager's report to Council, and the following motion passed by Council at the meeting on 78 May 01, "THAT the Corporation of the District of Burnaby pick up commercial refuse accounts on a controlled basis to the limit of our capabilities", we would comment as follows.

1. Telephone discussions between Mr. Ross, our Assistant Municipal Engineer, and your Mr. Cook would indicate that Burnaby School Board's present refuse collection arrangements are:
 - (a) Secondary and Junior Secondary Schools - container pick up by the private sector of 14 6 cubic yard containers and 6 - 3 or 4 cubic yard containers.
 - (b) Elementary Schools - can pick up by Burnaby Municipal forces.

Burnaby School Board by its letter to Council, dated 78 April 10, has indicated a desire to have refuse from all schools picked up by Burnaby Municipal forces.

We understand that at present a large percentage of waste paper from elementary schools is being burned in incinerators, which, although at the time of construction were adequate, no longer meet the more stringent requirements of modern anti-pollution standards and that disposal by other means may be mandatory.

We further understand that container collection from elementary schools may replace existing collection by cans.

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Firstly we will deal with container collection from secondary schools:

- (1) We are prepared on two weeks notice to collect refuse from secondary schools.
- (2) We will replace the existing 6 cubic yard containers with 3 or 4 cubic yard containers in sufficient number to meet the demand.
- (3) We will expect the containers to be placed by your staff in a position where they can be picked up by our container shuttle vehicle or our front end loading collection vehicle.
- (4) Our supervisory staff will visit all schools to make all necessary detailed arrangements to ensure good service.

We feel that we can, at this time, handle your existing container pick up with our present staff and vehicle complement.

Should you require container pick up from your elementary schools we would require another front end loading vehicle. We intend to order this vehicle in the near future and since the delivery period is approximately nine months, it would be mutually advantageous if container pick up from elementary schools could be postponed until the delivery date of this vehicle. After the delivery of this vehicle we would be in a position to give full service for all schools.

Service Charges

Since proposed commercial pick up is not limited to pick up from Burnaby Schools and since charges for this service will be the subject of a further report to Council, we are not in a position to give confirmation of charges for the service; however, in light of Council's direction, charges will be comparable with those of the private sector, but in no case less than our costs.

Assuming a charge of \$7.50 per pick up of a 3 or 4 cubic yard container and a monthly rental charge of \$8.50 per container your budget estimates would be as follows:

1. Secondary and Junior Secondary Schools

34 containers - 3 pick ups per week	
102 pick ups per week @ \$7.50	= \$ 765.00
Annual Cost	= \$39,780.00
Container Rental 34 x 8.5 x 12	= \$ 3,468.00
TOTAL ANNUAL COST	= \$43,248.00

2. Elementary Schools

42 containers - 1 pick up per week	
42 pick ups per week @ \$7.50	= \$ 315.00
Annual Cost	= \$16,380.00
Container Rental 42 x 8.5 x 12	= \$ 4,204.00
TOTAL ANNUAL COST	= \$20,664.00

We hope that the above information will assist you in your deliberations with respect to changing to a complete refuse collection service by Municipal forces and would take this opportunity to guarantee our best cooperation to provide a completely satisfactory refuse collection service.

Yours truly,

APPENDIX IITHE CORPORATION OF THE DISTRICT OF BURNABY

Date: 78 06 05

SUBJECT: COMMERCIAL CONTAINER COLLECTION COST.

The table on the following page represents container collection charges as assessed by the City of Vancouver, the Municipality of West Vancouver, the District of North Vancouver, the City of New Westminster and two private collection companies.

SUMMARY

The City of Vancouver is the only Municipal operation of those examined that operates on a break even basis. All others do not separate their commercial collection costs and it is difficult to arrive at an accurate relationship between cost and charges.

The private companies both charge approximately the same for rental and dumping charges. The only Municipally run commercial operations whose charges are close to or better than the private companies are the District of North Vancouver and the City of New Westminster.

EXPLANATION OF THE TABLE

- | | | |
|--------------------------|---|---|
| A. Monthly Charges | - | Represents monthly rental of container assessed depending on size. |
| B. Dump Charges | - | Represents dumping charge assessed. |
| C. Request Charges | - | Represents charges assessed for non scheduled dumps. |
| D. Rollout Charges | - | Represents charges for moving the container to the equipment. |
| E. Refuse Tax | - | Shows whether commercial accounts are also billed in their taxes for refuse collection. |
| F. Service | - | States what service is offered free of charge (depending on payment of refuse tax). |
| G. Type of Equipment | - | Type of equipment used. |
| H. Size of Crew | - | Number of crewmen. |
| I. Separate Cost | - | Shows if commercial account costs are separate. |
| J. Percentage of Castors | - | Approximate percentage of containers with castors. |
| K. Percentage of Market | - | Approximate percentage of market. |

	A MONTHLY CHARGES			B COLLECTION AND DUMPING CHARGES			REQUEST CHARGES	ROLLOUT CHARGES	REFUSE TAX	SERVICE	TYPE OF EQUIP.	CREW SIZE	SEPARATE COST	% OF CASORS	% OF MARKET
	1 CU YD	2 CU YD	3 CU YD	1 CU YD	2 CU YD	3 CU YD									
CITY OF VANCOUVER	\$12.15	\$13.30	\$14.25	\$6.00	\$7.50	\$8.25	NO PENALTY	30 ft-\$2.20 50 ft-\$5.50	NO	NONE	25 CU YD F-END LOADER	2	YES	100%	UNKNOWN
DISTRICT OF N. VANCOUVER	\$7.00	\$7.50	\$8.00	\$2.00	\$2.50	\$3.00	\$.50	NONE	YES	1 PICKUP PER WEEK	20 CU YD R-END LOADER	3	NO	100%	85%
CITY OF NEW WESTMINSTER	\$8.00	\$9.00	\$10.00	\$3.00	\$5.00	\$7.00	NO PENALTY	25 ft-\$4.00 50 ft-\$6.00	YES	1 PICKUP PER WEEK	20 CU YD R-END LOADER	3	NO	100%	25%
MUNICIPALITY OF WEST VAN.	\$16.00	\$18.00	\$20.00	\$2.50	\$4.00	\$5.50	NO PENALTY	NONE	YES	1 PICKUP PER WEEK	20 CU YD R-END LOADER	2	NO	100%	UNKNOWN
	<u>3 CU YD - MONTHLY CHARGES</u>			<u>PICKUP EVERY 2ND WEEK</u>			<u>PICKUP EVERY WEEK</u>			<u>PICKUP TWICE EVERY WEEK</u>		<u>RENTAL CHARGE</u>		<u>COLLECTION AND DUMP CHARGE</u>	
PRIVATE NO. 1	NO CASTORS			\$26.50			\$42.00			\$75.00		APPROX. \$10.00		APPROX. \$8.00	
	WITH CASTORS			\$27.50			\$45.00			\$79.50		APPROX. \$11.00		APPROX. \$8.50	
PRIVATE NO. 2	NO CASTORS			\$26.00			\$42.00			\$74.00		APPROX. \$10.00		APPROX. \$8.00	
	WITH CASTORS			\$27.00			\$44.00			\$78.00		APPROX. \$10.00		APPROX. \$8.50	

SPECIAL NOTES

- All organization's involved recommended against becoming involved in 1 cu. yd. containers.
- Vancouver's scheduling is based on 70% scheduled pickup and 30% by request.
- The private companies both charge extra for rollouts but will not make a commitment on cost until the area is viewed by a representative.

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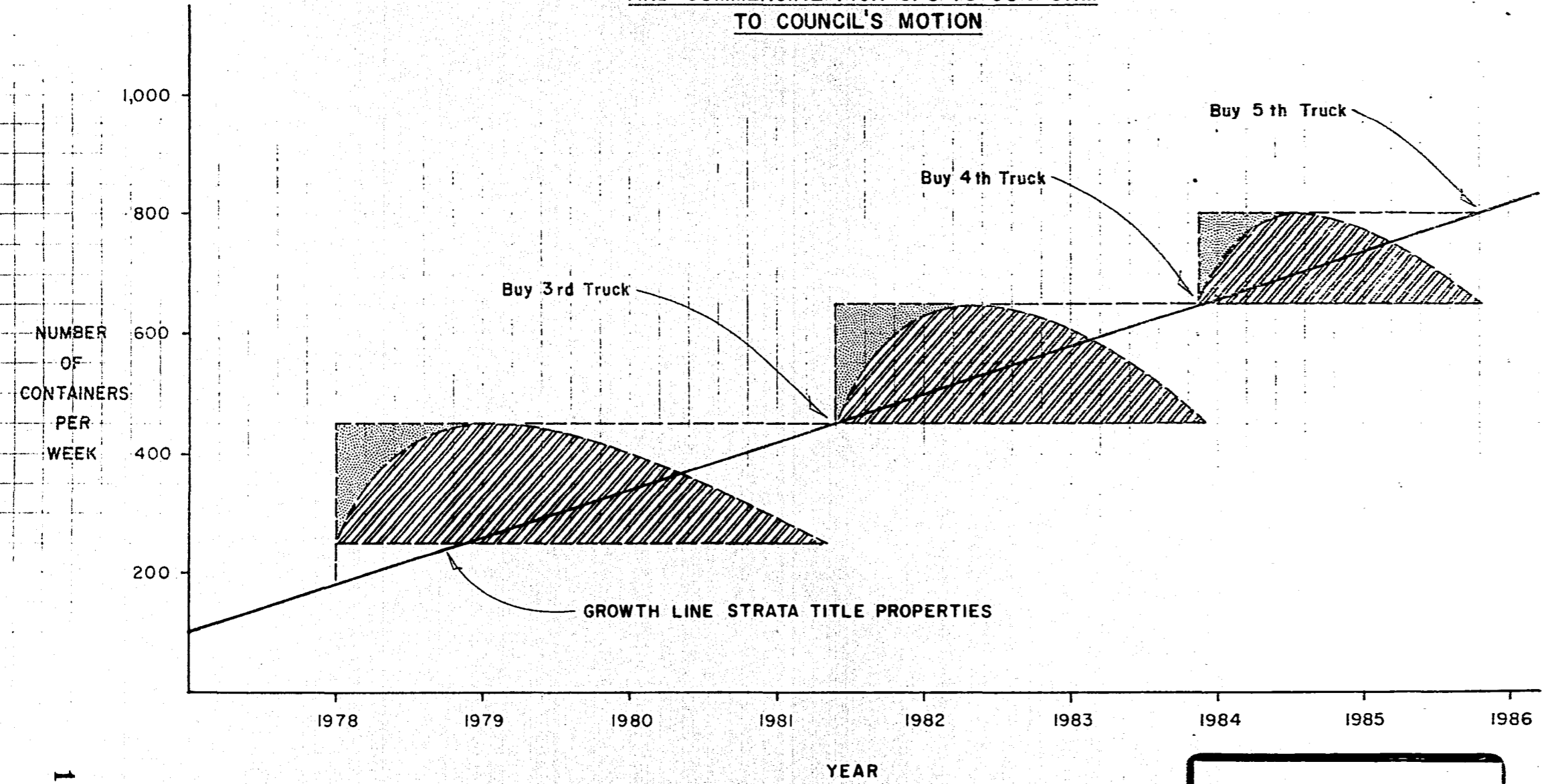
SUPPLEMENTARY NOTES TO REPORT

1. Seventy-Five percent of the District of North Vancouver's cost for Commercial container collection is recovered through charges with the remaining 25% being recovered through general funding.
2. When the Corporation of Burnaby was involved in reimbursement, payments to strata title customers private collection and dumping charges ranged from \$20.00 to \$48.00 per living unit per annum.

It is clear that each customer was assessed and the charges were set based on the degree of difficulty of collection so that roll-out and handling charges were included in some of the rates.
3. All three Municipalities with rear end loader container trucks have residential collection on the same route. All three have recommended that we not become involved with rear loader container apparatus because of the high maintainance and repair cost.

However, there is no way we would consider rear loading container trucks.

GRAPH SHOWING MIXTURE OF STRATA TITLE
AND COMMERCIAL PICK-UPS TO CONFORM
TO COUNCIL'S MOTION



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